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- 1** Information integration with attribution support for corporate profiles 99%
 Thomas Lee , Melanie Chams Robert Nado , Michael Siegel , Stuart Madnick
Proceedings of the eighth International conference on Information and knowledge management September 1999
 The proliferation of electronically available data within large organizations as well as publicly available data (over the World Wide Web) poses challenges for users who wish to efficiently interact with and integrate multiple heterogeneous sources. This paper presents CII, a corporate information integrator, which applies XML as a tool to facilitate data integration and integration amongst heterogeneous sources in the context of financial analysts creating corporate ...
- 2** Software engineering of the Internet: a roadmap 96%
 Luca Bompani , Paolo Cianci , Fabio Vitali
Proceedings of the 1st International Conference on The future of Software engineering May 2000
- 3** Tools and approaches for developing data-intensive Web applications: a survey 95%
 Piero Fraternali
ACM Computing Surveys (SUR) September 1999
 The exponential growth of the Web are nurturing a novel generation of applications characterized by a direct business-to-customer relationship. The development and deployment of such applications is a hybrid between traditional IS development and Web development. This paper investigates the current situation of Web development tools in the commercial and research fields, by identifying



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Prev
Page

1

2

Next
Page

- 1** The design, implementation, and evaluation of Jade 80%

Martin C. Rinard , Monica S. Lam

ACM Transactions on Programming Languages and Systems (TOPLAS) May 1998

Volume 20 Issue 3

Jade is a portable, implicitly parallel language designed for exploiting task-level concurrency. Jade programmers start with a program written in a standard serial, imperative language, then use Jade constructs to declare how parts of the program access data. The Jade implementation uses this data access information to automatically extract the concurrency and map the application onto the machine at hand. The resulting parallel execution preserves the semantics of the original serial program ...
- 2** IO-Lite: a unified I/O buffering and caching system 80%

Vivek S. Pai , Peter Druschel , Willy Zwaenepoel

ACM Transactions on Computer Systems (TOCS) February 2000

Volume 18 Issue 1

This article presents the design, implementation, and evaluation of IO -Lite, a unified I/O buffering and caching system for general-purpose operating systems. IO-Lite unifies all buffering and caching in the system, to the extent permitted by the hardware. In particular, it allows applications, the interprocess communication system, the file system, the file cache, and the network subsystem to safely and concurrently share a single physical copy of the data. Protection and ...
- 3** The software-cycle models for re-engineering and reuse 79%

John W. Bailey , Victor R. Basili

Proceedings of the conference on TRI-Ada '91: today's accomplishments; tomorrow's expectations December 1991



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Prev Page

1

2

3

4

5

6

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- 1 Long term file migration: development and evaluation of algorithms 97%
 Alan Jay Smith
Communications of the ACM August 1981
 Volume 24 Issue 8

The steady increase in the power and complexity of modern computer systems has encouraged the implementation of automatic file migration systems which move files dynamically between mass storage devices and disk in response to user reference patterns. Using information describing 13 months of user disk data set file references, we develop and evaluate (replacement) algorithms for the selection of files to be moved from disk to mass storage. Our approach is general and demonstrates a general ...

- 2 StorHouse metanoia - new applications for database, storage & data warehousing 95%
 Felipe Cariño , Pekka Kostamaa , Art Kaufmann , John Burgess
ACM SIGMOD Record , Proceedings of the 2001 ACM SIGMOD international conference on Management of data May 2001
 Volume 30 Issue 2

This paper describes the StorHouse/Relational Manager (RM) database system that uses and exploits an *active storage hierarchy*. By active storage hierarchy, we mean that StorHouse/RM executes SQL queries *directly* against data stored on all hierarchical storage (i.e. disk, optical, and tape) without post processing a file or a DBA having to manage a data set. We describe and analyze StorHouse/RM features and internals. We also describe how StorHouse/RM differs from traditional HSM ...

- 3 File archive activity in a supercomputing environment 93%



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1

2

3

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1 Preserving digital information forever 92%



Andrew Waugh , Ross Wilkinson , Brendan Hills , Jon Dell'oro

Proceedings of the fifth ACM conference on Digital libraries June 2000

Well within our lifetime we can expect to see most information being created, stored and used digitally. Despite the growing importance of digital data, the wider community pays almost no attention to the problems of preserving this digital information for the future. Even within the archival and library communities most work on digital preservation has been theoretical, not practical, and highlights the problems rather than giving solutions. Physical libraries have to preserve information ...

2 CHIME: a metadata-based distributed software development 92%



environment

Stephen E. Dossick , Gail E. Kaiser

ACM SIGSOFT Software Engineering Notes , Proceedings of the 7th European engineering conference held jointly with the 7th ACM SIGSOFT international symposium on Foundations of software engineering October 1999

Volume 24 Issue 6

We introduce CHIME, the Columbia Hypermedia IMmersion Environment, a metadata-based information environment, and describe its potential applications for internet and intranet-based distributed software development. CHIME derives many of its concepts from Multi-User Domains (MUDs), placing users in a semi-automatically generated 3D virtual world representing the software system. Users interact with project artifacts by "walking around" the virtual world, where they potentially en ...

3 Information integration with attribution support for corporate profiles 91%